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- GRAY SCALE DOCUMENTS

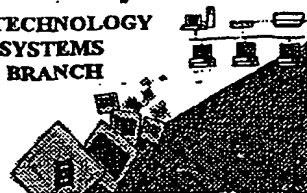
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RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

US/10/723,365

Source:

TFWB

Date Processed by STIC:

12/15/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



II

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/723,365

DATE: 12/15/2003
TIME: 16:39:16

Input Set : A:\pto.ln.txt
Output Set: N:\CRF4\12112003\J723365.raw

4 <110> APPLICANT: van den Boom, Dirk
5 B"cker, Sebastian
7 <120> TITLE OF INVENTION: FRAGMENTATION-BASED METHODS AND SYSTEMS
8 FOR SEQUENCE VARIATION DETECTION AND DISCOVERY
11 <130> FILE REFERENCE: 24736-2073
> 13 <140> CURRENT APPLICATION NUMBER: US/10/723,365
14 <141> CURRENT FILING DATE: 2003-11-26
16 <150> PRIOR APPLICATION NUMBER: US 60/429,895
17 <151> PRIOR FILING DATE: 2002-11-27
19 <160> NUMBER OF SEQ ID NOS: 85
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 7
25 <212> TYPE: PRT
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Renin cleavage site
31 <400> SEQUENCE: 1
32 Pro Phe His Leu Leu Val Tyr
33 1 5
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 5
38 <212> TYPE: PRT
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Factor Xa cleavage site
> 44 <221> NAME/KEY: VARIANT
45 <222> LOCATION: 5
46 <223> OTHER INFORMATION: Xaa = Any Amino Acid Except Pro or Arg
> 48 <400> 2
> 49 Ile Glu Gly Arg Xaa
50 1 5
53 <210> SEQ ID NO: 3
54 <211> LENGTH: 5
55 <212> TYPE: PRT
56 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Factor Xa cleavage site
> 61 <221> NAME/KEY: VARIANT
62 <222> LOCATION: 5
63 <223> OTHER INFORMATION: Xaa = Any Amino Acid Except Pro or Arg
> 65 <400> 3
> 66 Ile Asp Gly Arg Xaa

Does Not Comply
Corrected Diskette Needed

(P. 4-5)

RAW SEQUENCE LISTING

DATE: 12/15/2003

PATENT APPLICATION: US/10/723,365

TIME: 16:39:16

Input Set : A:\pto.ln.txt

Output Set: N:\CRF4\12112003\J723365.raw

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> 78 <221> NAME/KEY: VARIANT
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80 <223> OTHER INFORMATION: Xaa = Any Amino Acid Except Pro or Arg
> 82 <400> 4
> 83 Ala Glu Gly Arg Xaa
84 1 5
87 <210> SEQ ID NO: 5
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89 <212> TYPE: PRT
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Collagenase cleavage site
> 95 <221> NAME/KEY: VARIANT
96 <222> LOCATION: 2, 5
97 <223> OTHER INFORMATION: Xaa = Any Amino Acid
> 99 <400> 5
> 100 Pro Xaa Gly Pro Xaa
101 1 5
104 <210> SEQ ID NO: 6
105 <211> LENGTH: 49
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Forward primer for base-specific cleavage
112 <400> SEQUENCE: 6
113 cagtaatacgc actcactata gggagaaggc tccccagcaa gacggactt 49
115 <210> SEQ ID NO: 7
116 <211> LENGTH: 28
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Reverse primer for base-specific cleavage
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124 aggaagagag cgcctcggca aagtacac 28
126 <210> SEQ ID NO: 8
127 <211> LENGTH: 340
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Amplicon for base-specific cleavage
134 <400> SEQUENCE: 8
135 gggagaaggc tccccagcaa gacggacttc ttcaaaaaca tcatgaactt catagacatt 60

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/723,365

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Input Set : A:\pto.ln.txt
Output Set: N:\CRF4\12112003\J723365.raw

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136 gtggccatca ttccttattt catcacgctg ggcaccgaga tagctgagca ggaaggaaac 120
137 cagaagggcg agcaggccac ctccctggcc atcctcaggg tcatccgctt ggtaaggggt 180
138 tttagaatct tcaagctctc ccgccactct aagggcctcc agatcctggg ccagaccctc 240
139 aaagctagta tgagagagct agggctgctc atctttttcc tcttcacggt ggcatcctg 300
140 ttttctagtg cagtgtactt tgccgaggcg ctctcttcct 340
142 <210> SEQ ID NO: 9
143 <211> LENGTH: 23
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
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> 150 <221> NAME/KEY: modified_base
151 <222> LOCATION: 1
152 <223> OTHER INFORMATION: Biotinylated
> 154 <400> 9
155 ccagtcacg acgttgtaaa acg 23
157 <210> SEQ ID NO: 10
158 <211> LENGTH: 23
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Reverse primer for partial cleavage
165 <400> SEQUENCE: 10
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168 <210> SEQ ID NO: 11
169 <211> LENGTH: 117
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171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Amplicon for partial cleavage
176 <400> SEQUENCE: 11
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178 cagctccgag tccatccaga gcttcctgca gtcacctgtg tgaaattgtt atccgct 117
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 21
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Reference sequence
> 188 <221> NAME/KEY: misc_feature
189 <222> LOCATION: 11
190 <223> OTHER INFORMATION: n = C or A
> 192 <221> misc_feature
193 <222> LOCATION: 1, 2, 3, 8, 9, 10, 12, 13, 14, 19, 20, 21
194 <223> OTHER INFORMATION: n = A,T,C or G
> 196 <400> 12
> 197 nnnactgnnn nnnntgacnn n 21
199 <210> SEQ ID NO: 13
200 <211> LENGTH: 583

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/723,365

DATE: 12/15/2003
TIME: 16:39:16

Input Set : A:\pto.ln.txt
Output Set : N:\CRF4\12112003\J723365.raw

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201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: CEST Amplicon
207 <400> SEQUENCE: 13
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209 gggaaactta gtgaatggca aggctgggtt tgagcccagc tctattgccc ccaaagataa 120
210 ggctccattc cctgctccat tcccaggca tagggacttg tagggggctg gaaccccagg 180
211 atcaactctg ggctcagagg gcccagcaa taagtgaactg ttgattactc ctgatcccaa 240
212 agctgacttc aggcagctc cttggaggtc gcagcccctt cttgctatgc ccagtggcaa 300
213 tgatgttcat aatcccactc ctcagtgcag ggttccacta agaaccatg atctcctacc 360
214 tcaaatggac ctcatgcttt ctgagtaagc ctccctcagc ttcttggtca cctcactccc 420
215 cccaccact gcaatgactt cttcaggcct tccctgccat cctcaaatct ccagtggccc 480
216 cctcctgtct accttccact tccctctcca cacacaacct gcttaccaga gagctgagca 540
217 gagccaccaa cagaacttcc cccccacgtc gctgctccca gtc 583
219 <210> SEQ ID NO: 14
220 <211> LENGTH: 483
221 <212> TYPE: DNA
222 <213> ORGANISM: Mycobacterium abscessus
224 <300> PUBLICATION INFORMATION:
225 <308> DATABASE ACCESSION NO: EMBL Accession No. AJ536038
> 227 <300> PUBLICATION INFORMATION: 14
228 acgggtgagt aacacgtggg tgatctgccc tgcactctgg gataagcctg ggaaactggg 60
229 tctaataaccg gataggacca cacacttcat ggtgagtggt gcaaagcttt tgcgggtgtg 120
230 gatgagcccg cggcctatca gcttggttgg ggggtaatgg cccaccaagg cgacgacggg 180
231 tagccggcct gagagggtga ccggccacac tgggactgag atacggccca gactcctacg 240
232 ggaggcagca gtgggggaata ttgcacaatg ggcgcaagcc tgatgcagcg acgcccgcgtg 300
233 agggatgacg gccttcgggt tgtaaacctc tttcagtagg gacgaagcga aagtgcaggt 360
234 acctacagaa gaaggaccgg ccaactacgt gccagcagcc gcggtaatat gtaggggtccg 420
235 agcgttgttc ggaattactg ggcgtaaaga gctcgtaggt ggtttgtcgc gttgttcgtg 480
236 aaa 483
238 <210> SEQ ID NO: 15
239 <211> LENGTH: 495
240 <212> TYPE: DNA
241 <213> ORGANISM: Mycobacterium avium
243 <300> PUBLICATION INFORMATION:
244 <308> DATABASE ACCESSION NO: EMBL Accession No. AJ536037
> 246 <300> PUBLICATION INFORMATION: 15
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248 tctaataaccg gataggacct caagacgcat gtcttctggt ggaaagcttt tgcgggtgtg 120
249 gatgggcccc cggcctatca gcttggttgg ggggtgacgg cctaccaagg cgacgacggg 180
250 tagccggcct gagagggtgt ccggccacac tgggactgag atacggccca gactcctacg 240
251 ggaggcagca gtgggggaata ttgcacaatg ggcgcaagcc tgatgcagcg acgcccgcgtg 300
252 ggggatgacg gccttcgggt tgtaaacctc tttcaccatc gacgaaggtc cgggttttct 360
253 cggattgacg gtaggtggag aagaagcacc ggccaactac gtgccagcag ccgcggtaat 420
254 acgtagggtg cgagcgttgt ccggaattac tgggcgtaaa gagctcgtag gtggtttgtc 480
255 gcgttgttgc tgaaa 495
257 <210> SEQ ID NO: 16
258 <211> LENGTH: 495

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Mandatory, when there is a response for L3087, then L3097 must be added with a response.

Mandatory, when there is a response for L3087, then L3097 must be added with a response.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/723,365

DATE: 12/15/2003
TIME: 16:39:16

Input Set : A:\pto.ln.txt
Output Set : N:\CRF4\12112003\J723365.raw

259 <212> TYPE: DNA
260 <213> ORGANISM: Mycobacterium celatum
262 <300> PUBLICATION INFORMATION:
263 ~~<308>~~ DATABASE ACCESSION NO: EMBL Accession No. AJ536040
> 265 <300> PUBLICATION INFORMATION: 16
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267 tctaataaccg gataggacca tgggatgcat gtcttgtggt ggaaagcttt tgcggtgtgg 120
268 gatgggcccg cggcctatca gcttgttggg ggggtgatgg cctaccaagg cgacgacggg 180
269 tagccggcct gagagggtgt ccggccacac tgggactgag atacggccca gactcctacg 240
270 ggaggcagca gtggggaata ttgcacaatg ggcgcaagcc tgatgcagcg acgccgcgtg 300
271 ggggatgacg gccttcgggt tgtaaacctc ttccaccatc gacgaagctg ccggttttcc 360
272 ggtggtgacg gtaggtggag aagaagcacc ggccaactac gtgccagcag ccgcggtaat 420
273 acgtagggtg cgagcgttgt ccggaattac tgggcgtaaa gagctcgtag gtggtttgtc 480
274 gcgttggttcg tgaaa 495
276 <210> SEQ ID NO: 17
277 <211> LENGTH: 483
278 <212> TYPE: DNA
279 <213> ORGANISM: Mycobacterium fortuitum
281 <300> PUBLICATION INFORMATION:
282 ~~<308>~~ DATABASE ACCESSION NO: EMBL Accession No. AJ536039
> 284 <300> PUBLICATION INFORMATION: 17
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286 tctaataaccg aatatgacca cgcgcttcat ggtgtgtggt ggaaagcttt tgcggtgtgg 120
287 gatgggcccg cggcctatca gcttgttggg ggggtaatgg cctaccaagg cgacgacggg 180
288 tagccggcct gagagggtga ccggccacac tgggactgag atacggccca gactcctacg 240
289 ggaggcagca gtggggaata ttgcacaatg ggcgcaagcc tgatgcagcg acgccgcgtg 300
290 agggatgacg gccttcgggt tgtaaacctc ttccaatagg gacgaagcgc aagtgcggt 360
291 acctatagaa gaaggaccgg ccaactacgt gccagcagcc gcggtataac gtagggtccg 420
292 agcgttgtcc ggaattactg ggcgtaaaaga gctcgtagggt ggtttgtcgc gttgttcgtg 480
293 aaa 483
295 <210> SEQ ID NO: 18
296 <211> LENGTH: 495
297 <212> TYPE: DNA
298 <213> ORGANISM: Mycobacterium gordonae
300 <300> PUBLICATION INFORMATION:
301 ~~<308>~~ DATABASE ACCESSION NO: EMBL Accession No. AJ536042
> 303 <300> PUBLICATION INFORMATION: 18
304 acgggtgagt aacacgtggg taatctgccc tgcacatcgg gataagcctg ggaaactggg 60
305 tctaataaccg aataggacca caggacacat gtccgtgtgt ggaaagcttt tgcggtgtgg 120
306 gatgggcccg cggcctatca gcttgttggg ggggtgatgg cctaccaagg cgacgacggg 180
307 tagccggcct gagagggtgt ccggccacac tgggactgag atacggccca gactcctacg 240
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310 ccgggtgacg gtaggtggag aagaagcacc ggccaactac gtgccagcag ccgcggtaat 420
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312 gcgttggttcg tgaaa 495
314 <210> SEQ ID NO: 19
315 <211> LENGTH: 495
316 <212> TYPE: DNA

same error

same error

same error

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/723,365

DATE: 12/15/2003
TIME: 16:39:17

Input Set : A:\pto.ln.txt
Output Set: N:\CRF4\12112003\J723365.raw

age Note:

of n and/or Xaa have been detected in the Sequence Listing. Please review the
uence Listing to ensure that a corresponding explanation is presented in the <220>
<223> fields of each sequence which presents at least one n or Xaa.

#:2; Xaa Pos. 5 ✓
#:3; Xaa Pos. 5 ✓
#:4; Xaa Pos. 5 ✓
#:5; Xaa Pos. 2, 5 ✓
#:12; N Pos. 1, 2, 3, 8, 9, 10, 11, 12, 13, 14, 18, 20, 21
#:32; N Pos. 821
#:45; N Pos. 123
#:46; N Pos. 174, 179, 317
#:47; N Pos. 285, 286
#:48; N Pos. 131
#:49; N Pos. 47, 50, 51, 52, 111, 135, 185, 198, 253, 359
#:50; N Pos. 131
#:51; N Pos. 228, 230, 235, 236, 240, 243, 245
#:52; N Pos. 84, 265, 269
#:53; N Pos. 136, 385
#:54; N Pos. 76
#:55; N Pos. 157
#:56; N Pos. 103
#:57; N Pos. 31
#:58; N Pos. 211
#:59; N Pos. 77
#:60; N Pos. 131, 239, 254, 283
#:61; N Pos. 100
#:62; N Pos. 228, 341
#:63; N Pos. 300, 696, 741, 771
#:64; N Pos. 378
#:65; N Pos. 137
#:66; N Pos. 249
#:67; N Pos. 80, 206, 295, 315, 317, 318, 373, 400, 479
#:68; N Pos. 48, 154
#:69; N Pos. 205, 277, 304
#:70; N Pos. 117
#:71; N Pos. 37, 329, 350
#:72; N Pos. 653
#:73; N Pos. 257
#:74; N Pos. 98, 114
#:75; N Pos. 21, 61, 83, 84, 85, 86
#:78; N Pos. 183, 256, 284, 327
#:79; N Pos. 279
#:80; N Pos. 44
#:81; N Pos. 346
#:82; N Pos. 291
#:83; N Pos. 260
#:84; N Pos. 257

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/723,365

DATE: 12/15/2003

TIME: 16:39:17

Input Set : A:\pto.ln.txt

Output Set: N:\CRF4\12112003\J723365.raw

3 M:270 C: Current Application Number differs, Replaced Current Application Number
4 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
8 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
9 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
1 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
5 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
6 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
8 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
2 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
3 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
5 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
9 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
00 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
50 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
54 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
88 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
92 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
96 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
27 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:14
46 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:15
65 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:16
84 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:17
03 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:18
22 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:19
41 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:20
60 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:21
79 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:22
98 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:23
17 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:24
36 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:25
03 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:29
70 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:32
84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:780
61 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
65 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:45
68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:120
83 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
87 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:46
91 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:46
94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:120
41 Repeated in SeqNo=46
09 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
13 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:47
18 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:240
31 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
35 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:48
38 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:120

VERIFICATION SUMMARY

DATE: 12/15/2003

PATENT APPLICATION: US/10/723,365

TIME: 16:39:17

Input Set : A:\pto.ln.txt

Output Set: N:\CRF4\12112003\J723365.raw

53 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
57 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:49
61 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:49
65 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:49
69 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:49
70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
41 Repeated in SeqNo=49
88 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
92 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:50
95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:120
10 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
14 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:51
18 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:180
41 Repeated in SeqNo=51
31 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
35 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:52
39 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:52
41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:60
41 Repeated in SeqNo=52
57 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
61 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:53
65 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:53
68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:120
41 Repeated in SeqNo=53
83 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
87 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:54
89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:60
005 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
009 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:55
012 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:120
026 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
030 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:56
032 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:60
049 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
053 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:57
054 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
070 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
074 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:58
078 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:180
091 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
095 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:59
097 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:60
112 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
116 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:60
120 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:60
124 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:60
128 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:60
131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:120
41 Repeated in SeqNo=60

VERIFICATION SUMMARY

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DATE: 12/15/2003

TIME: 16:39:17

Input Set : A:\pto.ln.txt

Output Set: N:\CRF4\12112003\J723365.raw

145 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
149 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:61
151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:60
166 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
170 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:62
174 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:62
178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:180
41 Repeated in SeqNo=62
192 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
196 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:63
200 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:63
204 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:63
209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:240
41 Repeated in SeqNo=63
228 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
232 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:64
239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:360
251 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
255 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:65
258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:120
272 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
276 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:66
281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:240
292 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
296 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:67
300 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:67
302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:60
41 Repeated in SeqNo=67
320 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
324 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:68
328 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:68
329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:0
41 Repeated in SeqNo=68
345 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
349 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:69
353 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:69
357 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:69
361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:180
41 Repeated in SeqNo=69
374 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
378 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:70
380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:60
395 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
399 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:71
408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:0
41 Repeated in SeqNo=71
424 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:600
450 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

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459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:240
476 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:60
501 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:0
41 Repeated in SeqNo=75
563 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
583 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
604 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
625 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
646 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
667 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
688 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

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459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:240
476 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:60
501 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:0
41 Repeated in SeqNo=75
563 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
583 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
604 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
625 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
646 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
667 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
688 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!